

Safety Device of Collar for Pet

Field of Invention

The present invention relates to a safety device of a collar for a pet.

Background of Invention

Referring to Figure 8, a cat wears a collar 62 with a conventional safety device 63. Referring to Figure 9, the conventional safety device 63 is configured like a buckle of a waist belt. The conventional safety device 63 includes a female member 64 and a male member 65. The female member 64 includes a first plate 67 and a second plate 68. A space 69 is defined between the plates 67 and 68. The second plate 68 defines a recess 70 with a reduced open end. The male member 65 includes a plate 71 and a mushroom-shaped portion 66 formed on the plate 71. To engage the male member 65 with the female member 64, the plate 71 and the mushroom-shaped portion 66 are inserted into the space 69 and the recess 70, respectively. In case that the collar 62 is entangled with a branch of a tree for example, the male member 65 is supposed to be disengaged from the female member 64 in order to prevent the collar 62 from strangling the cat. However, several problems are encountered in the use of the conventional safety device 63. Firstly, unless the conventional safety device 63 is subject to a force that is oriented precisely and big enough, the male member 65 cannot be disengaged from the female member 64. Moreover, the male member 65 cannot be pivoted relative to the female member 64 in compliance with the neck of the cat. Thus, the cat feels uncomfortable wearing the collar 62 with the

1 safety device 63.

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3 Therefore, the present invention is intended to obviate or at least alleviate
4 the problems encountered in prior art.

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6 **Summary of Invention**

7 It is an objective of the present invention to provide a pet's collar with a
8 safety device that works whenever it is subject to a sufficiently big force
9 regardless of the direction of the force.

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11 It is another objective of the present invention to provide a pet's collar
12 with a safety device that provides a smooth feel for a pet.

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14 According to the present invention, a safety device is disclosed for use
15 with a collar for a pet. The safety device includes a central member, a
16 first lateral member and a second lateral member. The first lateral
17 member is for pivotal and releasable engagement with the central member.
18 The second lateral member is for pivotal and releasable engagement with
19 the central member.

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21 Other objects, advantages and novel features of the invention will become
22 more apparent from the following detailed description in conjunction
23 with the attached drawings.

24

25 **Brief Description of Drawings**

26 The present invention will be described via detailed illustration of

1 embodiments referring to the drawings.

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3 Figure 1 is a perspective view of a cat wearing a collar equipped with a
4 safety device according to a first embodiment of the present invention.

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6 Figure 2 is a perspective view of the safety device of Figure 1.

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8 Figure 3 is an exploded view of the safety device of Figure 2.

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10 Figure 4 is a top view of the safety device of Figure 2.

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12 Figure 5 is similar to Figure 2 but shows the safety device in another
13 position.

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15 Figure 6 is similar to Figure 5 but shows the safety device in another
16 position.

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18 Figure 7 is an exploded view of a safety device according to a second
19 embodiment of the present invention.

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21 Figure 8 is a perspective view of a cat wearing a collar equipped with a
22 conventional safety device.

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24 Figure 9 is an exploded view of the safety device of Figure 8.

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1 **Detailed Description of Embodiments**

2 Referring to Figure 1, a cat wears a collar (not numbered) equipped with
3 a safety device 10 according to a first embodiment of the present
4 invention.

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6 Referring to Figure 2, the safety device 10 includes a female member 20,
7 a first male member 30 for pivotal and releasable engagement with the
8 female member 20 and a second male member 40 for pivotal and
9 releasable engagement with the female member 20.

10

11 Referring to Figure 3, the female member 20 includes a first recess 21
12 defined in an end, a second recess 22 defined in an opposite end and a
13 cavity 23 defined in the front side. The first recess 21 and the second
14 recess 22 both include a reduced opening. The cavity 23 can receive a
15 nametag (not shown) of the pet.

16

17 The first male member 30 includes a bar 31 formed at an end, a cylinder
18 32 formed at an opposite end and hole 33 defined therein between the bar
19 31 and the cylinder 32.

20

21 The second male member 40 includes a bar 41 formed at an end, a
22 cylinder 42 formed at an opposite end and hole 43 defined therein
23 between the bar 41 and the cylinder 42.

24

25 In use, an end of the collar is inserted through the hole 33 in order to
26 wrap the bar 31, and an opposite end of the collar is inserted through the

1 hole 43 in order to wrap the bar 41. The cylinder 32 is forced into the
2 first recess 21 through the reduced opening. The reduced opening of the
3 first recess 21 keeps the cylinder 32 in the first recess 21. The cylinder
4 42 is forced into the second recess 22 through the reduced opening. The
5 reduced opening of the second recess 22 keeps the cylinder 32 in the
6 second recess 22.

7

8 Referring to Figure 4, the male members 30 and 40 can, independent of
9 each other, be pivoted relative to the female member 20 compliant with
10 the neck of the cat. Thus, the cat feels comfortable wearing the collar
11 equipped with the safety device 10.

12

13 Referring to Figures 5 and 6, the male members 30 and 40 can,
14 independent of each other, be disengaged from the female member 20 in
15 case that the collar is entangled with a branch of a tree in order to keep
16 the collar from strangling the cat. As the male members 30 and 40 are
17 both pivotal relative to the female member 20, almost any force that is
18 exerted on the safety device 10 is automatically oriented adequately by
19 means of the safety device 10. Therefore, the force disengages the first
20 male member 30 and/or the second male member 40 from the female
21 member 20 as long as the force is big enough.

22

23 Figure 7 shows a safety device 10' according to a second embodiment of
24 the present invention. The safety device 10' includes a male member
25 20', a first female member 30' and a second female member 40'. The
26 male member 20' includes a first cylinder 21' formed at an end and a

1 second cylinder 22' formed at an opposite end. Like the female member
2 20, the male member 20' defines a cavity 23 for receiving a nametag (not
3 shown). The first female member 30' is similar to the first male member
4 30 except for including a recess 32' instead of the cylinder 32. The
5 second female member 40' is similar to the second male member 40
6 except for including a recess 42' instead of the cylinder 42.

7

8 The present invention has been described via detailed illustration of two
9 embodiments. Those skilled in the art can derive variations from the
10 embodiments without departing from the scope of the present invention.
11 Therefore, the embodiments shall not limit the scope of the present
12 invention defined in the claims.

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